

**ABSTRACT OF THE DISCLOSURE**

A cylinder head for a water-cooled multi-cylinder internal-combustion engine has two intake valves and outlet valves per cylinder. A cylinder head cooling chamber has inflow and outflow openings for coolant as well as a receiving opening for a spark plug. The receiving opening is arranged centrally relative to the cylinder head cooling chamber of a cylinder. On the inflow side in the cylinder head cooling chamber, a main cooling flow runs between the two outlet valves in the direction of the receiving opening for the spark plug, while two secondary cooling flows are provided at the two edge areas of the inflow side.